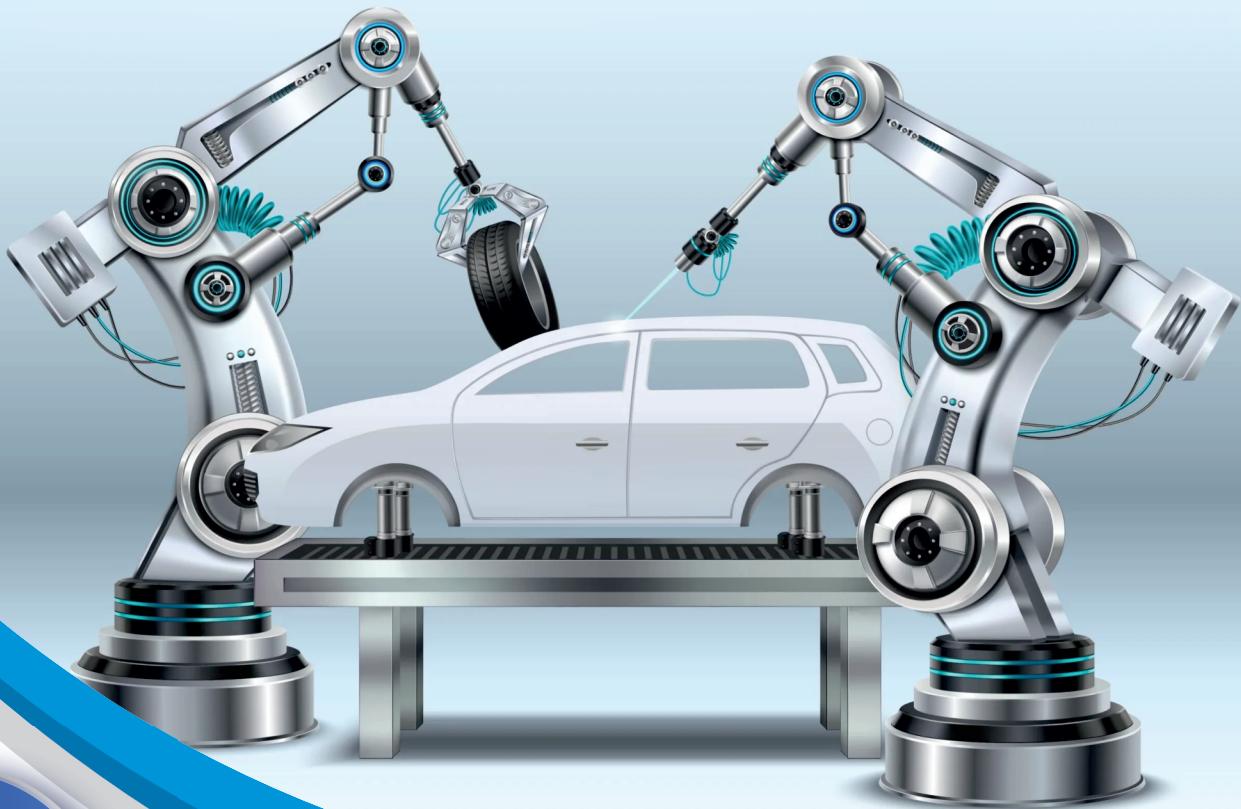




EASWARI
ENGINEERING COLLEGE
An AUTONOMOUS Institution
Affiliated to ANNA UNIVERSITY
RAMAPURAM, CHENNAI



4th INTERNATIONAL CONFERENCE on
**ADVANCES IN AUTOMOBILE,
MANUFACTURING, AUTOMATION
AND MECHANICAL ENGINEERING**

(ICAAMME 25)

19.03.2025

ABOUT THE COLLEGE

Easwari Engineering College (Autonomous), SRM Group of Institutions, Chennai Ramapuram, is a prestigious educational hub located in Chennai, Tamil Nadu. Established with a vision to provide world-class education, Easwari Engineering College (Autonomous) has become synonymous with academic excellence, innovation, and holistic development.

Easwari Engineering College (Autonomous), stands as a beacon of excellence in education. With its commitment to academic excellence, innovation, and holistic development, Easwari Engineering College (Autonomous) continues to shape the future leaders of tomorrow. The institution's unwavering dedication to providing quality education and fostering a culture of learning makes it a premier destination for students seeking to achieve their full potential.

ABOUT THE DEPARTMENTS

MECHANICAL ENGINEERING

The Department of Mechanical Engineering, established in 2003, is dedicated to delivering high-quality education, fostering industry-relevant skills, and promoting cutting-edge research. Accredited by the NBA until 2026, the department has established strong collaborations with leading companies through MoUs, facilitating internships and placement opportunities for students. Recognized as a research center under Anna University, it actively supports numerous Ph.D. scholars in their research endeavors. Our faculty members have made substantial academic contributions, publishing over 100 research articles in SCI/SCIE-indexed journals and more than 70 in SCOPUS-indexed journals. Furthermore, with over 70 patents published in recent years, the department continues to drive innovation and research excellence.

AUTOMOBILE ENGINEERING

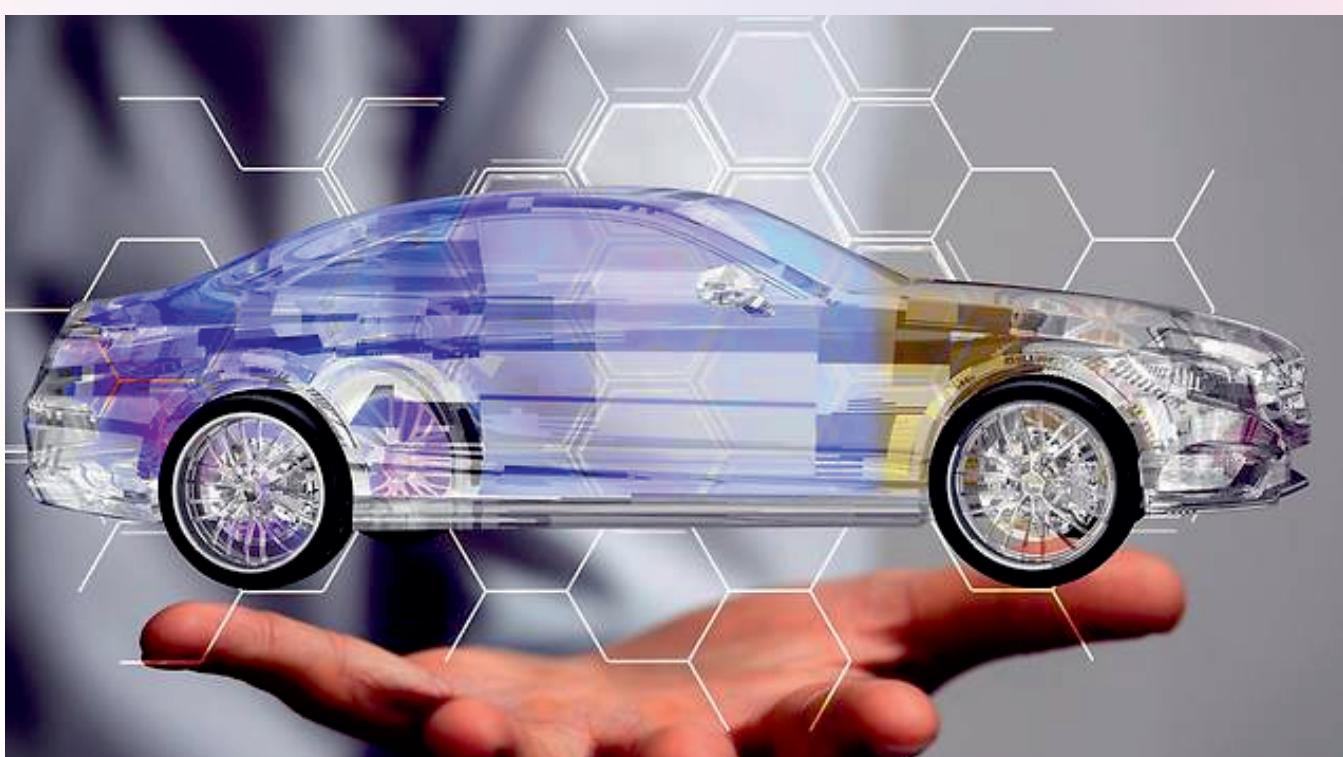
The Department of Automobile Engineering was started in the year 2014 with the vision to impart quality education, skills and attributes based on changing global standards and automobile industrial requirements. The Department of Automobile Engineering has signed MoU with Ashok Leyland Limited, Hosur Plant for One year On Job Training (OJT) for selected students as 'Engineering Intern' who are studying Final year in Automobile Engineering. Qualified and dynamic young faculty members shape up the millennials for the future. Major areas of research interest are Composite Materials, Welding, Surface Coating & Micro Machining.

ROBOTICS AND AUTOMATION

The Department of Robotics and Automation was established in the year 2020 which focuses on providing students with a comprehensive education in the fields of robotics, automation, and related technologies. This department integrates cutting-edge technologies and practical learning to prepare students for careers in automation, robotics, artificial intelligence, machine learning, and industrial automation, among other emerging areas. The department is equipped with state-of-the-art laboratories for robotics, automation, and embedded systems. These labs are designed to give students exposure to real-world industrial systems and advanced technologies.

THE RESEARCH ACTIVITIES WITHIN THE DEPARTMENTS INCLUDE

- ▶ Synthetic Fiber Reinforced Composites
- ▶ Natural Fiber Reinforced Composites
- ▶ Metal Matrix Composite
- ▶ Fiber Extraction
- ▶ Resin Transfer Moulding
- ▶ Vacuum Infusion
- ▶ Compression Moulding
- ▶ Gas Analyzer
- ▶ Computational Fluid Dynamics
- ▶ Alternative Fuels
- ▶ Electric Vehicle
- ▶ Simulations of Structure and Component
- ▶ Optimization using Soft Computing Techniques
- ▶ Surface Coating
- ▶ AI in Automation
- ▶ Soft Grippers
- ▶ Autonomous Mobile Robots
- ▶ Autonomous Navigation Systems



ABOUT THE CONFERENCE

The flashy developments made in the various branches of science in the developing world today, has opened a new vision of science and technology. Research in the field of Automobile, contemporary materials, manufacturing, energy, and thermal engineering is growing at a rapid rate. Year after Year, new materials and new methods of manufacturing are being investigated and implemented in the field of Automobile and Mechanical engineering. This conference focuses on the latest innovations in materials and its manufacturing processes. The engagement of attendees from industry and academia will accelerate the translation of research in real time. Further, this International conference aims to bring common platform for Researchers Academicians, Industrial experts and practicing Engineers to exchange the ideas and to share the knowledge and experience on the advanced development and trends in the following areas, but not limited to

1. Advanced Machining Technology
2. Materials Science and Engineering
3. Waste Management Technology
4. Thermal and Energy Engineering
5. Robotics and Automation
6. Quality Control and Inspection
7. Additive Manufacturing
8. Computational Fluid Dynamics
9. Product Design and Development
10. Coating and Ceramics Materials
11. Material Joining Process
12. Composite Materials
13. Electrical Vehicle Technology
14. Bio Materials
15. Metal Forming

CALL FOR PAPERS

Technical papers are invited based on the conference topics. The authors willing to present in the conference are requested to submit the full-length paper in MS word format (.doc format), not exceeding 10 printed/typed pages in single column format, within the prescribed time limit by an email to icaamm25@gmail.com. The paper received will be reviewed and scrutinized by the panel of experts. Only original & unpublished work will be accepted. Similarity index should be less than 15%.

The acceptance of the paper will be communicated to the participants by email. The paper registered for the conference must be presented by one of the registered authors in the conference. Only presented papers are considered for publication. Certificate of participation/presentation will be issued to the registered delegates who are attending the conference.

SUBMISSION OF PAPER

All the accepted papers will be published in the SCOPUS/SCIE Indexed Journals.

IMPORTANT DATES

Last date for receiving the Abstract	: 28.02.2025
Submission of Full-Length Paper	: 06.03.2025
Acceptance Notification	: 12.03.2025
Conference Date	: 19.03.2025

REGISTRATION FEE

For Students/Research Scholars	: ₹ 510/-
For Academia/Industry	: ₹ 750/-
For Foreign Authors	: \$20 (USD)

All Authors will receive the E-Proceedings with ISBN. Registration fee includes the E-Certificate.
(Publication charges will be applicable as per the journal's policy)

REGISTRATION LINK

<https://forms.gle/Fi6BYmz7eTJqtfG9>

MODE OF PRESENTATION

Hybrid

PAYMENT MODE

Through online NEFT to

Name	: Easwari Engineering College
Account Number	: 500101013507081
IFSC Code	: CIUB0000517
Bank & Branch	: City Union Bank & Ramapuram, Chennai.

ADDRESS FOR COMMUNICATION

Dr. S. Sathiyamurthy

Convener

4th International Conference on "Advances in Automobile, Manufacturing, Automation and Mechanical Engineering (ICAAMME'25)"
Department of Mechanical Engineering,

Easwari Engineering College

Bharathi Salai, Ramapuram, E-mail: icaamm25@gmail.com

CONTACT PERSON

Dr. S. Sathyaranayanan	+91 9500406419
Dr. K. Giridharan	+91 8072877389
Dr. P. Sarangapani	+91 9994956549

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